

AMENDMENT IN THE ABSTRACT

A communication system is provided in which normal communications can be ensured even upon a loss of synchronization on a part of transmission paths configuring a network.

—The system is to perform data communications within a network configured by a plurality of devices. A synchronization detecting section 12 detects a loss of synchronization for data transmission between devices 1 and 2 connected to each other via the network. Upon detection by the synchronization detecting section 12 of the loss of synchronization, a control information retaining section 14 and a switching section 15 included in the first device 1 cause a connection with the second device 2 to be cut off, and then again cause a connection with the second device 2. Upon connection caused by the switching section 15 between the devices 1 and 2, a connection processing section 16 performs a connecting process for enabling data communications between these devices 1 and 2.